

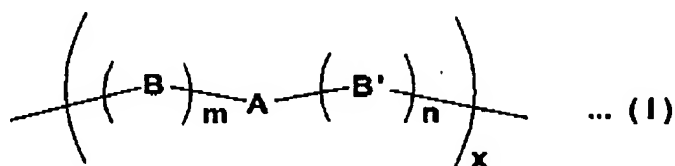
Docket No. 740756-2691

Serial No. 10/743,337

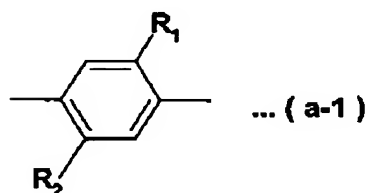
Page 2

IN THE CLAIMS:

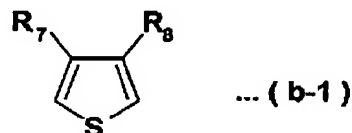
1. (Currently Amended) [[A]] An electroluminescent polymer having the following general formula (I) as a repeating unit:



where in the general formula (I), each of m and n is 1 or 2, A is (a-1), and each of B and B' is identical, and is (b-1);



R₁ and R₂ of (a-1) are identical or different, and each of R₁ and R₂ is any one of a hydrogen atom, a halogen atom, and an organic substituent that includes at least one of a carbon atom, an oxygen atom, a sulfur atom or a nitrogen atom; and



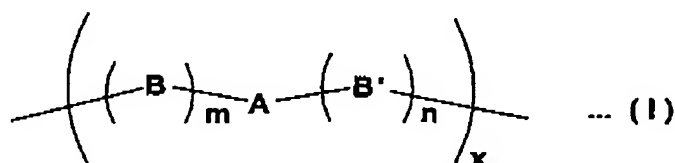
R₇ and R₈ of (b-1) are identical or different, and each of R₇ and R₈ is any one of a halogen atom, and an organic substituent that includes at least one of a carbon atom, an oxygen atom, a sulfur atom or a nitrogen atom.

Docket No. 740756-2691

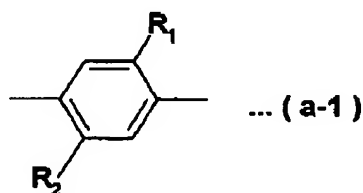
Serial No. 10/743,337

Page 3

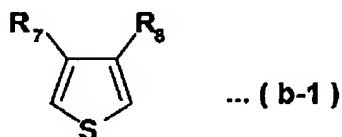
2. (Previously Presented) An electroluminescent element comprising:
 a first electrode;
 a second electrode over the first electrode; and
 a layer interposed between the first electrode and the second electrode;
 wherein the layer comprises a polymer having the following general formula (I) as a repeating unit:



where in the general formula (I), each of m and n is 1 or 2, A is (a-1), and each of B and B' is identical, and is (b-1);



R₁ and R₂ of (a-1) are identical or different, and each of R₁ and R₂ is any one of a hydrogen atom, a halogen atom, and an organic substituent that includes at least one of a carbon atom, an oxygen atom, a sulfur atom or a nitrogen atom; and



Docket No. 740756-2691

Serial No. 10/743,337

Page 4

R_7 and R_8 of (b-1) are identical or different, and each of R_7 and R_8 is any one of a halogen atom, and an organic substituent that includes at least one of a carbon atom, an oxygen atom, a sulfur atom or a nitrogen atom.

3. (Previously Presented) The electroluminescent element according to claim 2, wherein the layer is formed by electrolytic polymerization.

4. (Currently Amended) A light-emitting device comprising a plurality of electroluminescent elements,

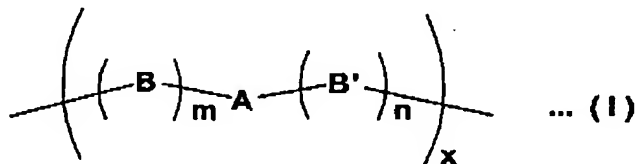
wherein at least one of the plurality of electroluminescent elements ~~comprising~~ comprises:

a first electrode;

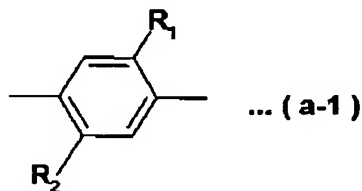
a second electrode over the first electrode; and

a first layer interposed between the first electrode and the second electrode;

wherein the first layer comprises a first polymer having the following general formula (I) as a repeating unit:



where in the general formula (I), each of m and n is 1 or 2, A is (a-1), and each of B and B' is identical, and is (b-1);

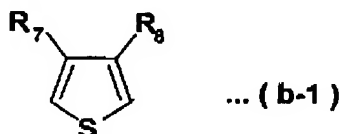


Docket No. 740756-2691

Serial No. 10/743,337

Page 5

R₁ and R₂ of (a-1) are identical or different, and each of R₁ and R₂ is any one of a hydrogen atom, a halogen atom, and an organic substituent that includes at least one of a carbon atom, an oxygen atom, a sulfur atom or a nitrogen atom; and



R₇ and R₈ of (b-1) are identical or different, and each of R₇ and R₈ is any one of a halogen atom, and an organic substituent that includes at least one of a carbon atom, an oxygen atom, a sulfur atom or a nitrogen atom.

5. (Currently Amended) The light-emitting device according to claim 4, wherein the ~~other another~~ one of the plurality of electroluminescent element comprises:

a ~~fourth~~ third electrode;

a ~~fifth~~ fourth electrode over the fourth electrode; and

a second layer interposed between the ~~fourth~~ third electrode and the ~~fifth~~ fourth electrode;

wherein the second layer comprises a second polymer having the general formula (I) as a repeating unit,

wherein the first polymer is different from the second polymer.

6. (Currently Amended) A light-emitting device comprising:

a substrate having an insulating surface;

a plurality of stripe-shaped first electrodes formed over the substrate;

a plurality of stripe-shaped second electrodes arranged to be orthogonal to the plurality of first electrodes; and

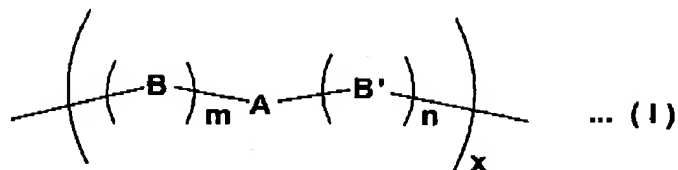
a plurality of layers, wherein each of the plurality of layers is formed between a corresponding one of the plurality of first electrodes and a corresponding one of the plurality of second electrodes,

wherein at least one of the plurality of layers comprises a first polymer having the following general formula (I) as a repeating unit:

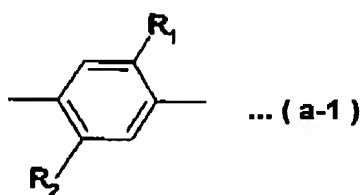
Docket No. 740756-2691

Serial No. 10/743,337

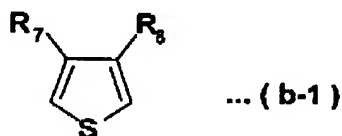
Page 6



where in the general formula (I), each of m and n is 1 or 2, A is (a-1), and each of B and B' is identical, and is (b-1);



R_1 and R_2 of (a-1) are identical or different, and each of R_1 and R_2 is any one of a hydrogen atom, a halogen atom, and an organic substituent that includes at least one of a carbon atom, an oxygen atom, a sulfur atom or a nitrogen atom; and



R_7 and R_8 of (b-1) are identical or different, and each of R_7 and R_8 is any one of a halogen atom, and an organic substituent that includes at least one of a carbon atom, an oxygen atom, a sulfur atom or a nitrogen atom.

7. (Currently Amended) The light-emitting device according to claim 6, wherein the ~~other~~ another one of the plurality of layers comprises a second polymer having the general formula (I) as a repeating unit, and

wherein the first polymer is different from the second polymer.

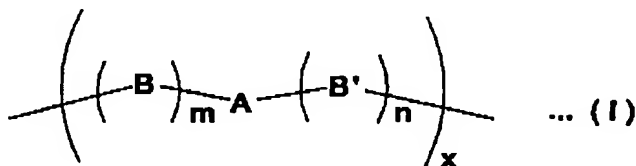
Docket No. 740756-2691

Serial No. 10/743,337

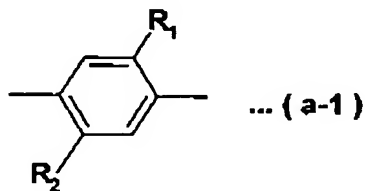
Page 7

8. (Previously Presented) The light-emitting device according to claim 6, wherein the plurality of layers are formed by electrolytic polymerization.

9. (Currently Amended) A light-emitting device comprising:
 a substrate having an insulating surface;
 a plurality of first electrodes formed at over the substrate;
 a second electrode over the plurality of first electrodes;
 a plurality of layers, wherein each of the plurality of layers is formed between a corresponding one of the plurality of first electrodes and the second electrode,
 wherein at least one of the plurality of layers comprises a first polymer having the following general formula (I) as a repeating unit:



where in the general formula (I), each of m and n is 1 or 2, A is (a-1), and each of B and B' is identical, and is (b-1);

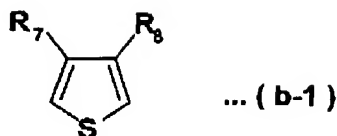


R₁ and R₂ of (a-1) are identical or different, and each of R₁ and R₂ is any one of a hydrogen atom, a halogen atom, and an organic substituent that includes at least one of a carbon atom, an oxygen atom, a sulfur atom or a nitrogen atom; and

Docket No. 740756-2691

Serial No. 10/743,337

Page 8



R_7 and R_8 of (b-1) are identical or different, and each of R_7 and R_8 is any one of a halogen atom, and an organic substituent that includes at least one of a carbon atom, an oxygen atom, a sulfur atom or a nitrogen atom.

10. (Currently Amended) The light-emitting device according to claim 9, wherein ~~the other~~ another one of the plurality of layers comprises a second polymer having the general formula (I) as a repeating unit, and

wherein the first polymer is different from the second polymer.

11. (Currently Amended) A light-emitting device comprising:

a first electrode;

a second electrode;

a third electrode;

a fourth electrode over the first electrode, the second electrode and the third electrode;

a first layer ~~comprises~~ comprising a first polymer, formed between the first electrode and fourth electrode;

a second layer ~~comprises~~ comprising a first polymer, formed between the second electrode and fourth electrode; and

a third layer ~~comprises~~ comprising a first polymer, formed between the third electrode and fourth electrode,

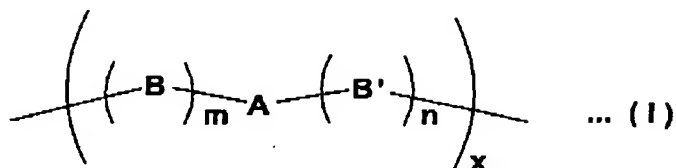
wherein the first polymer, the second polymer and the third polymer ~~emits~~ emit light in different colors from each other,

wherein each of the first polymer, the second polymer and the third polymer ~~having~~ has the following general formula (I) as a repeating unit:

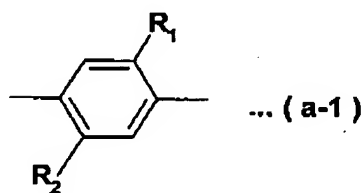
Docket No. 740756-2691

Serial No. 10/743,337

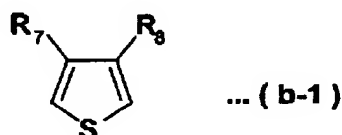
Page 9



where in the general formula (I), each of m and n is 1 or 2, A is (a-1), and each of B and B' is identical, and is (b-1);



R_1 and R_2 of (a-1) are identical or different, and each of R_1 and R_2 is any one of a hydrogen atom, a halogen atom, and an organic substituent that includes at least one of a carbon atom, an oxygen atom, a sulfur atom or a nitrogen atom; and



R_7 and R_8 of (b-1) are identical or different, and each of R_7 and R_8 is any one of a halogen atom, and an organic substituent that includes at least one of a carbon atom, an oxygen atom, a sulfur atom or a nitrogen atom.

12. (Previously Presented) The light-emitting device according to claim 9, wherein the plurality of layers is formed by electrolytic polymerization.

Docket No. 740756-2691

Serial No. 10/743,337

Page 10

13. (Currently Amended) The light-emitting device according to claim 6, further comprising a plurality of data signal lines, a plurality of scan signal lines, and a plurality of nonlinear elements,

wherein each of the plurality of nonlinear elements is connected to a corresponding one of the plurality of data signal lines and a corresponding one of the plurality of scan signal lines, and

wherein each of the plurality of first electrodes ~~are~~ is electrically connected to a corresponding one of the plurality of nonlinear elements.

14. (Previously Presented) The light-emitting device according to claim 13, wherein each of the plurality of nonlinear elements comprises at least one thin film transistor.

15. (Canceled)

16. (Canceled)

17. (Previously Presented) The light-emitting device according to claim 4, wherein the first layer is formed by electrolytic polymerization.

18. (Previously Presented) The light-emitting device according to claim 11, wherein the first layer, the second layer and the third layer are formed by electrolytic polymerization.

19. (Currently Amended) The light-emitting device according to claim 9, further comprising a plurality of data signal lines, a plurality of scan signal lines, and a plurality of nonlinear elements,

wherein each of the plurality of nonlinear elements is connected to a corresponding one of the plurality of data signal lines and a corresponding one of the plurality of scan signal lines, and

wherein each of the plurality of first electrodes ~~are~~ is electrically connected to a corresponding one of the plurality of nonlinear elements.

Docket No. 740756-2691
Serial No. 10/743,337
Page 11

20. (Currently Amended) The light-emitting device according to claim 11, further comprising a plurality of data signal lines, a plurality of scan signal lines, and a plurality of nonlinear elements,

wherein each of the plurality of nonlinear elements is connected to a corresponding one of the plurality of data signal lines and a corresponding one of the plurality of scan signal lines, and

wherein each of the plurality of first electrodes ~~are~~ is electrically connected to a corresponding one of the plurality of nonlinear elements.

21. (Canceled)

Docket No. 740756-2691

Serial No. 10/743,337

Page 12

IN THE ABSTRACT

Applicants request that the originally submitted Abstract be replaced with the Abstract attached hereto.